

DERWENT-ACC-NO: 1992-393132

DERWENT-WEEK: 199248

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TITLE: Water-absorbing deodorant for disposal of pet
faeces
comprising gel obtd. from silicate and metal
salt, mixed
with bentonite, isobutene!-maleic anhydride!
copolymer
and polyethyleneimine

INVENTOR: TANAKA E; TSUSHIMA T

PATENT-ASSIGNEE: KURARAY CHEM CO LTD[KURS]

PRIORITY-DATA: 1991JP-105005 (March 15, 1991)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
JP 04290547 A	October 15, 1992	JA

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
JP 04290547A	N/A	1991JP-105005
March 15, 1991		

INT-CL-CURRENT:

TYPE	IPC	DATE
CIPP	A61L9/01	20060101
CIPS	A61L9/16	20060101
CIPS	B01D53/04	20060101
CIPS	B01J20/10	20060101
CIPS	B01J20/26	20060101

ABSTRACTED-PUB-NO: JP 04290547 A

BASIC-ABSTRACT:

Deodorant is obtd. by adjusting the pH of an aq. soln. contg. a
silicate and
salt(s) of Ag, Al, Ti, V, Cr, Mn, Fe, Co, Ni, Sn, Cu, Zn, Cd and/or
Pb to 9-11,
forming a sol contg. the silicate and the metal salt(s) by keeping

the temp. at
45-70 deg.C, neutralising the sol with an acid to form a gel with a
silicic
acid gel structure contg. the metal salt(s) and adding bentonite and
a complex
of an isobutene-maleic anhydride copolymer and polyethyleneimine to
the gel.

Also claimed is an agent for the disposal of pet faeces which is
obtd. by
shaping the water absorbing deodorant mixt.

USE/ADVANTAGE - The deodorants obtd. have high adsorbing capacities
for
malodorous gases such as hydrogen sulphide, ammonia, mercaptan,
amines and
aldehydes and high water absorbing capacities. Since the metal salts
are
enclosed in the vitreous structure of silicic acid gels, the
deodorants are
safe even when they touch directly human beings and animal

TITLE-TERMS: WATER ABSORB DEODORISE DISPOSABLE PET FAECES COMPRISE
GEL OBTAIN

SILICATE METAL SALT MIX BENTONITE POLYISOBUTYLENE MALEIC
POLYANHYDRIDE COPOLYMER POLYETHYLENEIMINE

ADDL-INDEXING-TERMS:

SILVER ALUMINIUM TITANIUM VANADIUM

DERWENT-CLASS: A97 D22 E37 G04 P34

CPI-CODES: A04-F05; A04-G05; A12-W11D; D09-B; E31-P03; E34-C03; E35;
G04-B;

CHEMICAL-CODES:

Chemical Indexing M3 *01*

Fragmentation Code

A313 A350 A382 A422 A423 A424 A425 A426 A427 A428

A429 A430 A547 A548 A940 B114 B701 B712 B720 B831

C108 C802 C803 C804 C805 C807 M411 M782 Q337 Q604

Markush Compounds

9248B5101

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0013 0038 0231 0264 1417 2569 2673 2675 2763 2767 3124
3193 3250

Multipunch Codes: 028 034 04- 041 046 052 104 105 106 153 155 157 175
185 191

27& 52& 525 526 532 533 535 57& 611 62- 641 645 688 720

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: 1992-174336

Non-CPI Secondary Accession Numbers: 1992-299972